**Occupation Overview**

Emsi Q2 2018 Data Set

April 2018

California

**Parameters**

**Occupations**

| **Code** | **Description** |
| --- | --- |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters |
| 47-3015 | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters |
| 49-1011 | First-Line Supervisors of Mechanics, Installers, and Repairers |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers |
| 49-9043 | Maintenance Workers, Machinery |
| 49-9071 | Maintenance and Repair Workers, General |
| 49-9098 | Helpers--Installation, Maintenance, and Repair Workers |
| 49-9099 | Installation, Maintenance, and Repair Workers, All Other |

**Regions**

| **Code** | **Description** |
| --- | --- |
| 6019 | Fresno County, CA |
| 6031 | Kings County, CA |
| 6039 | Madera County, CA |
| 6047 | Merced County, CA |
| 6107 | Tulare County, CA |

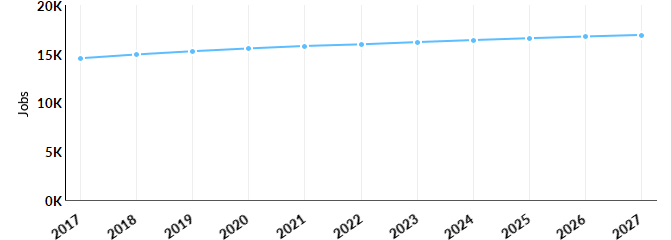
**Timeframe**

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**Datarun**

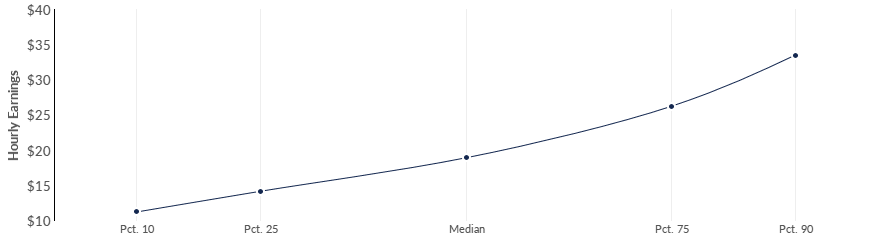
2018.2 – QCEW Employees, Non-QCEW Employees, and Self-Employed   
  
8 Occupations in 5 California Counties

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| --- | --- | --- | --- | --- | --- |
| **Occupation Summary for 8 Occupations** | | | | | |
| **14,539** | | **16.5%** | | **$18.92/hr** | |
| **Jobs (2017)** | | **% Change (2017-2027)** | | **Median Hourly Earnings** | |
| 11% below National average | | Nation: 10.8% | | Nation: $19.76/hr | |
| **Growth** | | | | | |
| **14,539** | **16,933** | | **2,394** | | **16.5%** |
| **2017 Jobs** | **2027 Jobs** | | **Change (2017-2027)** | | **% Change (2017-2027)** |



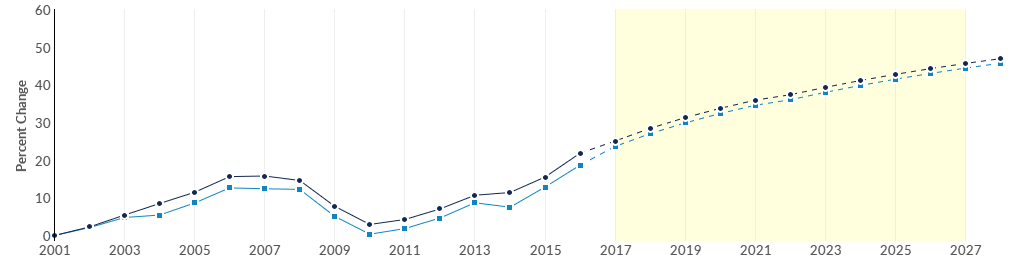
| **Occupation** | **2017 Jobs** | **2027 Jobs** | **Change** | **% Change** |
| --- | --- | --- | --- | --- |
| Plumbers, Pipefitters, and Steamfitters (47-2152) | 1,705 | 2,161 | 456 | 27% |
| Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015) | 141 | 197 | 56 | 40% |
| First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) | 2,016 | 2,309 | 293 | 15% |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021) | 1,727 | 2,136 | 409 | 24% |
| Maintenance Workers, Machinery (49-9043) | 594 | 696 | 102 | 17% |
| Maintenance and Repair Workers, General (49-9071) | 6,843 | 7,754 | 911 | 13% |
| Helpers--Installation, Maintenance, and Repair Workers (49-9098) | 492 | 581 | 89 | 18% |
| Installation, Maintenance, and Repair Workers, All Other (49-9099) | 1,021 | 1,098 | 77 | 8% |

|  |  |  |
| --- | --- | --- |
| **Percentile Earnings** | | |
| **$14.15/hr** | **$18.92/hr** | **$26.26/hr** |
| **25th Percentile Earnings** | **Median Earnings** | **75th Percentile Earnings** |



| **Occupation** | **25th Percentile Earnings** | **Median Earnings** | **75th Percentile Earnings** |
| --- | --- | --- | --- |
| Plumbers, Pipefitters, and Steamfitters (47-2152) | $15.56 | $22.03 | $30.12 |
| Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015) | $12.62 | $15.13 | $17.35 |
| First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) | $23.28 | $30.74 | $39.22 |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021) | $15.07 | $19.42 | $26.90 |
| Maintenance Workers, Machinery (49-9043) | $14.88 | $18.59 | $23.80 |
| Maintenance and Repair Workers, General (49-9071) | $13.07 | $17.61 | $23.03 |
| Helpers--Installation, Maintenance, and Repair Workers (49-9098) | $10.51 | $11.88 | $14.18 |
| Installation, Maintenance, and Repair Workers, All Other (49-9099) | $12.97 | $15.47 | $19.39 |

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| **Regional Trends** |



|  | **Region** | **2017 Jobs** | **2027 Jobs** | **Change** | **% Change** |
| --- | --- | --- | --- | --- | --- |
| ● | Region | 14,539 | 16,933 | 2,394 | 16.5% |
| ● | Fresno, CA | 7,560 | 8,831 | 1,271 | 16.8% |
| **Regional Breakdown** | | | | | |

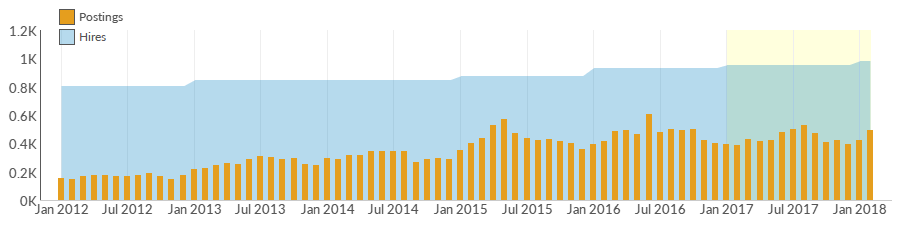


| **County** | **2027 Jobs** |
| --- | --- |
| Fresno County, CA | 8,831 |
| Tulare County, CA | 3,953 |
| Merced County, CA | 1,871 |
| Madera County, CA | 1,353 |
| Kings County, CA | 925 |

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| --- | --- |
| **Job Postings Summary** | |
| **6,178** | **5 : 1** |
| **Unique Postings (Jan 2017 - Feb 2018)** | **Posting Intensity (Jan 2017 - Feb 2018)** |
| 31,246 Total Postings | Regional Average: 7 : 1 |

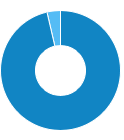
There were **31,246** total job postings for your selection from January 2017 to February 2018, of which **6,178** were unique. These numbers give us a Posting Intensity of **5-to-1**, meaning that for every 5 postings there is 1 unique job posting.This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they may not be trying as hard to hire for this position.

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| **Job Postings vs. Hires** | |
| **441** | **956** |
| **Avg. Monthly Postings (Jan 2017 - Feb 2018)** | **Avg. Monthly Hires (Jan 2017 - Feb 2018)** |



| **Occupation** | **Avg Monthly Postings (Jan 2017 - Feb 2018)** | **Avg Monthly Hires (Jan 2017 - Feb 2018)** |
| --- | --- | --- |
| Maintenance and Repair Workers, General | 270 | 466 |
| First-Line Supervisors of Mechanics, Installers, and Repairers | 120 | 122 |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 34 | 105 |
| Installation, Maintenance, and Repair Workers, All Other | 7 | 57 |
| Plumbers, Pipefitters, and Steamfitters | 6 | 93 |
| Helpers--Installation, Maintenance, and Repair Workers | 4 | 33 |
| Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 0 | 10 |
| Maintenance Workers, Machinery | 0 | 70 |

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| **Occupation Gender Breakdown** |

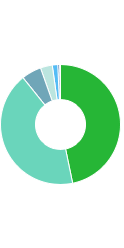


|  | **Gender** | **2017 Jobs** | **2017 Percent** |  | |
| --- | --- | --- | --- | --- | --- |
| ● | Males | 14,011 | 96.4% |  | |
| ● | Females | 528 | 3.6% |  | |
| **Occupation Age Breakdown** | | | | |



|  | **Age** | **2017 Jobs** | **2017 Percent** |  |
| --- | --- | --- | --- | --- |
| ● | 14-18 | 56 | 0.4% |  |
| ● | 19-24 | 857 | 5.9% |  |
| ● | 25-34 | 2,769 | 19.0% |  |
| ● | 35-44 | 3,348 | 23.0% |  |
| ● | 45-54 | 3,792 | 26.1% |  |
| ● | 55-64 | 2,908 | 20.0% |  |
| ● | 65+ | 808 | 5.6% |  |

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| **Occupation Race/Ethnicity Breakdown** |



|  | **Race/Ethnicity** | | | **2017 Jobs** | | | **2017 Percent** |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ● | White | | | 6,797 | | | 46.7% |  | |
| ● | Hispanic or Latino | | | 6,178 | | | 42.5% |  | |
| ● | Asian | | | 776 | | | 5.3% |  | |
| ● | Black or African American | | | 468 | | | 3.2% |  | |
| ● | Two or More Races | | | 212 | | | 1.5% |  | |
| ● | American Indian or Alaska Native | | | 71 | | | 0.5% |  | |
| ● | Native Hawaiian or Other Pacific Islander | | | 37 | | | 0.3% |  | |
| **Occupational Programs** | | | | | | | | |
| **8** | | | **569** | | **1,756** | | | |
| **Programs (2016)** | | | **Completions (2016)** | | **Openings (2016)** | | | |
| **CIP Code** | | **Program** | | | | **Completions (2016)** | | |
| 47.0201 | | Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician | | | | 332 | | |
| 47.0303 | | Industrial Mechanics and Maintenance Technology | | | | 133 | | |
| 15.0501 | | Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician | | | | 54 | | |
| 47.0101 | | Electrical/Electronics Equipment Installation and Repair, General | | | | 50 | | |
| 15.0505 | | Solar Energy Technology/Technician | | | | 0 | | |

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| --- | --- | --- | --- |
| **Industries Employing 8 Occupations** | | | |
| **Industry** | **Occupation Group Jobs in Industry (2017)** | **% of Occupation Group in Industry (2017)** | **% of Total Jobs in Industry (2017)** |
| Plumbing, Heating, and Air-Conditioning Contractors | 2,488 | 17.1% | 48.9% |
| Local Government, Excluding Education and Hospitals | 1,273 | 8.8% | 3.5% |
| Elementary and Secondary Schools (Local Government) | 448 | 3.1% | 0.8% |
| Residential Property Managers | 396 | 2.7% | 20.2% |
| Crop Production | 340 | 2.3% | 1.0% |

**Appendix A - Data Sources and Calculations**

**Location Quotient**

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

**Occupation Data**

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

**CareerBuilder/Emsi Job Postings**

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

**Institution Data**

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

**State Data Sources**

This report uses state data from the following agencies: California Labor Market Information Department